

Maths (Higher)

Year 9 Assessments

May: End of Year

Topics Areas to Revise

Half Term 1

- Rounding
- Indices (Multiply/Divide & Brackets)
- Indices (Negative Powers)
- Indices (Fractions)
- Standard Form
- Multiplying with Decimals
- Dividing Integers Resulting in a Recurring Decimal
- Recurring Decimal (Converting to a Fraction)
- Constructing Bisectors
- Constructing 2D shapes
- Loci
- Parallel Lines
- Parallel Lines Problems
- Angles in Polygons
- Interior & Exterior Angles of Polygons
- Angle Problems (Extension Activities)

Half Term 2

- Prime Factorisation
- HCF & LCM using Prime Factorisation
- Read & Write Expressions, Equations & Inequalities
- Simplifying Expressions
- Expand Double Brackets
- Factorise Linear Expressions
- Factorise Quadratics (Including Two Squares)
- Factorise Quadratics - Harder
- Fractions and Mixed Numbers (Four Operations)
- FDP
- Percentage of an Amount
- Percentage Increase & Decrease
- Percentage Change
- Original Amount
- Simple Interest
- Compound Interest
- Depreciation

Half Term 3

- Finding the Area & Perimeter
- Circumference of a Circle
- Area of a Circle
- Area & Perimeter of Composite Shapes
- Area of a Sector
- Arc Length and Perimeter of a Sector
- Surface Area
- Volume
- Pythagoras Theorem
- Solving 1 & 2 Step Equations
- Equations - Unknowns on Both Sides
- Equations - Brackets
- Construct and Solve Equations
- Changing the Subject of Simple Formula
- Solving Linear Inequalities
- Substitution
- Trial & Improvement

Half Term 4

- Plot and Sketch $y = mx + c$ (including y Implicit)
- Equation of a Line
- Find Equation of a line
- Identify Parallel Lines
- Find Equation of a line
- Plotting Quadratics
- Bearings
- Rotation (Including Describing)
- Reflection (Including Describing)
- Translation with Vectors (Including Describing)
- Enlargement - Positive Scale Factor (Including Describing)
- Enlargement - Negative Scale Factor (Including Describing)
- Congruent & Similar Shapes

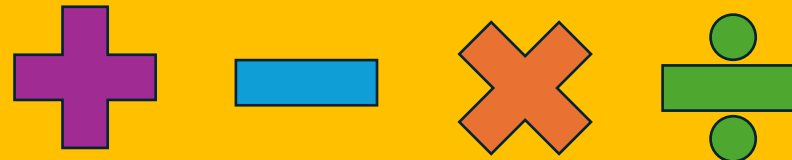
Half Term 5

- Theoretical Probability
- Finding Missing probabilities
- Listing Outcomes
- Experimental Probability
- Calculating Probabilities of Two or More Events
- Venn Diagrams
- Set Theory
- Averages & Spread
- Averages from Frequency Tables
- Averages from Grouped Frequency Tables
- Nth Term
- Quadratic Nth Term

The full revision list along with some extra notes will be shared on your child's year group page and individual maths class page.



KS3 Maths



Skills to be assessed

Use and apply standard techniques:

- Accurately recall facts, terminology, and definitions
- Use and interpret notation correctly
- Accurately carry out routine procedures or set tasks requiring multi-step solutions.

Reason, interpret and communicate mathematically:

- Make deductions, inferences and draw conclusions from mathematical information
- Construct chains of reasoning to achieve a given result
- Interpret and communicate information accurately
- Present arguments and proofs
- Assess the validity of an argument and critically evaluate a given way of presenting information.

Solve problems within mathematics and in other contexts:

- Translate problems in mathematical or non-mathematical contexts into a process or a series of mathematical processes
- Make and use connections between different parts of mathematics
- Interpret results in the context of the given problem
- Evaluate methods used and results obtained
- Evaluate solutions to identify how they may have been affected by assumptions made.

Resources to help revision



<https://www.mymaths.co.uk/>



<https://www.mathsdiy.com/>

mr barton maths

<https://www.mrbartonmaths.com/exams/gcse/gcse-maths-takeaway.html>

How this will be assessed and graded?

- Two Assessments (1st Paper will be non-calculator / 2nd Paper will be calculator)
- Both papers to be sat in the week beginning – Monday 27th May
- The duration for each paper will be 60 minutes
- Equipment: Calculator, Pen(s), Pencil(s), Ruler, Compass, Protractor - (Rubber, Pencil Sharpener)